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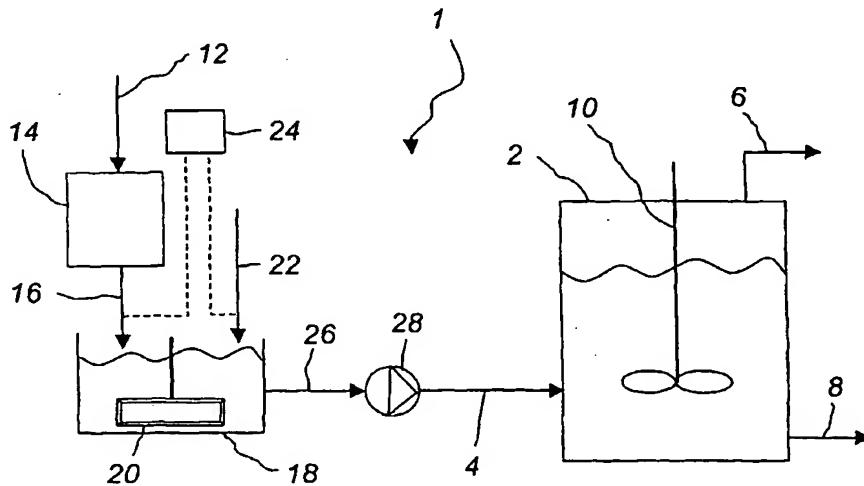
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(54) Title: METHOD AND DEVICE FOR PRODUCING BIOGAS



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(57) **Abstract:** A method of producing biogas by anaerobic digestion of organic matter comprises the steps of grinding organic matter, mixing the organic matter with a liquid to form a slurry with a dry solids content of 15-45% by weight TS, feeding the slurry to a tank reactor (2) and, in the tank reactor, contacting the slurry with biogas-producing bacteria for digestion under anaerobic conditions, and digesting the slurry in the tank reactor (2) at a dry solids content of 5-10% by weight TS while producing biogas. A device (1) for producing biogas by anaerobic digestion of organic matter comprises a sealable, essentially gas-tight tank reactor (2) having an inlet (4) for organic matter and outlets (6, 8) for produced biogas and formed digested sludge. The device (1) has a premixing tank (18) for mixing ground organic matter with a liquid to a slurry with a dry solids content of 15-45% by weight TS and a feed pipe (26, 4) for feeding the slurry to the tank reactor (2).